

belt could melt or burn and fail if exposed to flame or high temperature

- (4) Repairing the belt only in accordance with the manufacturer's instructions
- (5) Keeping the user instructions/information after it is separated from the belt and retaining it in a permanent record; copying the user instructions/information and keeping the copy with the belt
- (6) Referring to the user instructions/information before and after each use
- (7) Cautioning that, if the instructions/information are not followed, what serious consequences could occur to the user

**3.2.4.3** The manufacturer shall provide information for the user that additional information regarding belts can be found in NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*, and NFPA 1983, *Standard on Fire Service Life Safety Rope and System Components*.

**3.2.4.4** The manufacturer of belts that are certified as being compliant with this standard shall furnish the purchaser with a sample of suggested records to be maintained by the purchaser or user of belts and a list of items that the records need to contain.

### **3.2.5 Auxiliary Equipment User Information.**

**3.2.5.1** The manufacturer of auxiliary equipment that is certified as being compliant with this standard shall furnish the purchaser with at least use criteria, inspection procedures, maintenance procedures, and retirement criteria for the product.

**3.2.5.2** The manufacturer shall provide information for the user regarding at least the following issues:

- (1) Inspecting the auxiliary equipment periodically according to the manufacturer's inspection procedure
- (2) Removing the auxiliary equipment from service if the equipment does not pass inspection or if there is any doubt about the safety or serviceability of the equipment
- (3) Maintaining the auxiliary equipment in accordance with the manufacturer's instructions when metal components are subjected to corrosion or deterioration
- (4) Returning auxiliary equipment to the manufacturer or to a qualified inspection person/center if the equipment is dropped or impact loaded
- (5) Not exposing the software auxiliary equipment to flame or high temperature and carrying the equipment where it will be protected as it could melt or burn and fail if exposed to flame or high temperature
- (6) Repairing the auxiliary equipment only in accordance with the manufacturer's instructions
- (7) Keeping the user instructions/information after it is separated from the auxiliary equipment and retaining it in a permanent record; copying the user instructions/information and keeping the copy with the equipment
- (8) Referring to the user instructions/information before and after each use
- (9) Cautioning that, if the instructions/information are not followed, what serious consequences could occur to the user

**3.2.5.3** The manufacturer shall provide information for the user that additional information regarding auxiliary equipment can be found in NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*, and NFPA 1983, *Standard on Fire Service Life Safety Rope and System Components*.

**3.2.5.4** The manufacturer of auxiliary equipment that is certified as being compliant with this standard shall furnish the purchaser with a sample of suggested records to be maintained by the purchaser or user of the auxiliary equipment and a list of items that the records need to contain.

**3.2.5.5\*** In addition to the requirements for auxiliary equipment, the manufacturer of portable anchors shall provide information for the user that indicates the minimum breaking strength at the highest level of adjustment or at the maximum leg extension for which the device is designed to support human loads. This information shall be provided for each attachment point, if they differ, to which human loads may be attached.

**3.2.5.6** The manufacturer of manufactured systems auxiliary equipment that are certified as being compliant with this standard shall furnish the purchaser with a sample of suggested records to be maintained by the purchaser or user of the manufactured system auxiliary equipment.

## **Chapter 4 Design and Construction Requirements**

### **4.1 Life Safety Rope.**

**4.1.1\*** Life safety rope shall be constructed of virgin fiber.

**4.1.2** Life safety rope shall be of block creel construction; primary load-bearing elements shall be constructed of continuous filament fiber.

**4.1.3** Life safety rope that is designed to include components with electric current-carrying capabilities shall meet the requirements for Class I, Division 1, hazardous locations of ANSI/UL 913, *Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations*.

### **4.2 Escape Rope System Component.**

**4.2.1\*** Escape rope shall be constructed of virgin fiber.

**4.2.2** Escape rope shall be of block creel construction; primary load-bearing elements shall be constructed of continuous filament fiber.

### **4.3 Life Safety Harness System Component.**

**4.3.1** Life safety harness shall be designed and designated in accordance with one of the following classes.

**4.3.1.1** Harness that fastens around waist and around thighs or under buttocks and designed to be used for emergency escape with a design load of 1.33 k/N (300 lbf) shall be designated as Class I life safety harness.

**4.3.1.2** Harness that fastens around waist and around thighs or under buttocks and designed for rescue with a design load of 2.67 k/N (600 lbf) shall be designated as Class II life safety harness.

**4.3.1.3** Harness that fastens around waist, around thighs, or under buttocks, and over shoulders, and designed for rescue with a design load of 2.67 k/N (600 lbf) shall be designated as Class III life safety harness. Class III life safety harness shall be permitted to consist of one or more parts.

**4.3.2\*** Life safety harness shall be permitted to be adjustable within a range of sizes, provided in a range of sizes, or custom-fitted for individuals.